

Amendments to the Claims:

Please cancel withdrawn claims 1-7 and 9 without prejudice or disclaimer.

This listing of claims replaces and supersedes all prior versions, and listings, of claims in the application:

Listing of Claims:

1-7. (Cancelled).

8. (Currently Amended) A proton conductor gas sensor having a sensor body having a membrane electrode assembly (MEA) comprising an electrolyte membrane, a sensing electrode, and a counter electrode, and a water reservoir positioned at one side of the sensor body and supplying water vapor to the membrane electrode assembly, wherein ~~water vapor is supplied from a water reservoir to a sensor body having an MEA comprising an electrolyte membrane, a sensing electrode, and a counter electrode, said sensor characterized by~~ comprising:

a cap having an opening for introducing ambient atmosphere towards said membrane electrode assembly MEA from an opposite side of the membrane electrode assembly MEA to the water reservoir; and by

a thin plate between said cap and said membrane electrode assembly MEA,  
having a diffusion control hole connected to the opening of the cap and having a smaller  
diameter than that of the opening of the cap.

9. (Cancelled)